





$$y = x^r + rx + 1 \quad \text{ext} \left| x = \frac{-b}{r} = \frac{-1}{r} \right. \quad (1)$$

$$y = x^r - rx + 1 \quad \text{ext} \left| \frac{r}{r} \right. \\ a) \text{ min} \quad \text{ext} \left| y = \frac{-\Delta}{\epsilon a} = \frac{-(9 - \epsilon a^2) - \sqrt{\dots}}{\epsilon a} \right. \quad (2)$$

$$\frac{\epsilon a^2 - 9}{\epsilon a} + \frac{\sqrt{\dots}}{\epsilon a} \quad r^2 a^2 - \sqrt{\dots} \epsilon a \rightarrow \frac{1}{\epsilon} r^2 a^2 - \sqrt{\dots} \epsilon a - \sqrt{\dots} \\ a = \frac{-9 \pm \sqrt{14}}{\epsilon}$$

$$\Delta a^2 - \sqrt{\dots} - 1 \Delta \quad a^2 - \sqrt{\dots} - 1 \Delta \quad (a+9)(a-14) = \sqrt{\dots} \quad (3)$$

$$x, x+r \rightarrow xB(x)(x+r) = \frac{c}{a} \quad \text{or} \quad x^2 + rx + \dots \rightarrow x^2 + rx + \dots \\ x^2 + rx + \dots \quad x^2 + rx + \dots$$

$$x + B, r(x+r), \frac{a+1}{1}, r = \frac{-b}{a}$$

$$a = r(x+1) \\ a = r$$

$$(y, y+r), b \quad y + y+r, r(a+1) \text{ s.l.} \quad y + r = 0 \quad y = r \\ (\epsilon), (4), r$$

$$r = r + r + r \\ \text{ext} \left| \frac{-b}{ra} = \frac{-a}{ra} = \frac{1}{r} \right. \rightarrow y = -ax + \frac{1}{\epsilon} + \frac{a}{r} + r = \frac{a}{r} + r \quad (4)$$

$$\frac{a}{r} + r = r + b \times \frac{1}{r} = \frac{b}{r} + 1 \quad \frac{a}{r} + r = 1 \quad \frac{a}{r} = -r \quad a = -r^2$$

$$\text{ext} \left| \frac{-b}{ra} = \frac{b}{\epsilon b} = \frac{1}{\epsilon} \right. \left. y = r b \times \frac{1}{14} - b \times \frac{1}{\epsilon} = 1, \frac{-b-1}{1} \right.$$

$$\frac{-b-1}{1} = 15 \times \frac{1}{14} = 15 \times \frac{1}{\epsilon} + r = \frac{r}{\epsilon} = r + r = -\frac{1}{\epsilon}$$

$$\text{ARSH} \quad \frac{-b-1}{1} = 15 \times \frac{1}{\epsilon} = \frac{-b-1}{1} = \frac{r}{\epsilon} \rightarrow b = -9 \quad b = a = -9 + 15 = 6$$

subject:

Year \_\_\_\_\_ Mont. \_\_\_\_\_ Day \_\_\_\_\_ ( )

7-9

$$1 \quad x + \frac{B}{10a} \quad x + \frac{1}{10a} \quad (8x^2 + 1)$$

$$x + \frac{1}{10a} \quad x + \frac{1}{10a} \quad (8x + \frac{1}{10a}) + \frac{1}{10a} + \frac{1}{10a} \quad 1 + 1 = 2$$

3 < x < 5

$$5 \quad x = \frac{-1}{2} \quad x = \frac{1}{2} \quad (8x - \frac{1}{2}) \times \frac{1}{2} = \frac{3}{2} + \frac{1}{2} \quad -1 + 1 = 0$$

$$x < 10 \quad \checkmark \quad \text{ext } \left| \frac{-b}{2a} = \frac{-\frac{1}{2}}{8} = \frac{-1}{16} \right. \quad \frac{-1}{16} \times \frac{1}{8} = \frac{-1}{128}$$

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$$y = \frac{\Delta}{2a} = \frac{-(14 - 100 \times 10)}{2 \times 10} = \frac{90}{20} = 4.5$$

2

$$10 \quad ab + 1 + a^2 + b^2 = 12 \quad a + b = a^2 + b^2 - 12$$

$$a^2 + b^2 + 1 + ab = 12$$

$$(a+b)^2 - 2ab + 1 + ab = 12 \quad (a+b)^2 - ab + 1 = 12$$

$$(a+b)^2 - 2(ab) = 10$$

$$(a+b-2)(a+b+2) = 10$$

$$a+b = 5 \quad a+b = 5$$